

ABSTRACT

WIRELESS TERMINAL

5 A wireless terminal comprises a ground conductor (1102) and a
transceiver coupled to an antenna feed, the antenna feed being coupled
directly to the ground conductor (1102). In one embodiment the ground
conductor is a conducting case (1102). The coupling may be via a parallel
plate capacitor (504) formed by a plate (506) and a surface (1108) of the case
10 (1102). The case (1102) acts as an efficient, wideband radiator, eliminating the
need for a separate antenna. In a modification of this embodiment a slot
(1112) is provided to increase the resistance of the case (1102) as seen by the
transceiver, thereby increasing the radiating bandwidth of the terminal.

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(Figure 11)

PHGB 010056